



**Atlantic Environmental Contractors, Inc.**

81 East Avenue • Lewiston, ME 04240

Phone: 207-783-1908 • Fax: 207-376-3237

Web: [www.aecne.net](http://www.aecne.net)

## Asbestos Demolition Impact Survey Report

16 Newbury St.  
Auburn, Me.

Prepared for:  
Mr. Dereck Boulanger  
City of Auburn  
60 Court Street  
Auburn, Me. 04210

Prepared by:

Peter Jabbusch

Asbestos Inspector # AI-0078

Atlantic Environmental Contractors, Inc.

81 East Ave.

Lewiston, Me.

Report date:  
November 9, 2016

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## **1. Executive Summary**

The following asbestos demolition impact survey was conducted on October 14<sup>th</sup>, 2016 by Peter Jabbusch a Maine licensed and certified Asbestos Inspector. The structure surveyed was a vacant multi-unit residential structure.

Prior to commencement of the survey representatives of Atlantic Environmental Contractors, Inc. (AEC) conducted a visual inspection of the interior and exterior of the building and developed a site specific sampling strategy in compliance with the Maine DEP Chapter 425 Regulations.

## **2. Scope Of Work**

The scope of the survey was to identify building materials that potentially contain regulated levels of asbestos prior to demolition of the structure. Materials with greater than 1% asbestos content are considered regulated asbestos containing building materials.

## **3. Methods and Sampling Strategy**

There are typically three types of suspect materials that must be sampled as part of a Demolition/Renovation Impact Survey:

- Surfacing materials; sprayed or applied by trowel and include fireproofing materials and various plasters. At least three bulk samples of surfacing materials were collected from each homogeneous area that was less than 1,000-square feet. Five bulk samples were collected for areas 1,000 to 5,000-square feet and seven bulk samples were collected for areas greater than 5,000-square feet
- Thermal system insulation; including boiler cover, pipe cover, and duct insulation were assessed. The materials were either assumed to be asbestos containing or were sampled as follows; At least three bulk samples of thermal system insulation from each homogenous area or at least one bulk sample from each homogeneous patched area if the section is less than six linear or square feet
- Miscellaneous ACM; includes a variety of ceiling tiles, floor tiles, and gypsum board. Sample quantities for miscellaneous ACM follow the same requirements as for the two previously mentioned ACM types.

The bulk samples were collected with standard sampling protocols, properly packaged and shipped to EMSL Analytical Laboratory South Portland, Maine for analysis by Polarized Light Microscopy (PLM) EPA method 600/R-93/116 and PLM NOB.

16 Newbury Street  
Auburn, Me.

#### 4. Asbestos Sample Results

Twenty One (21) sample groups were collected of the suspect building materials. The bulk sample analytical results indicate that there are regulated asbestos containing materials that will be impacted by the demolition activities. The sample locations type of material and analytical results are detailed below:

Sample #	Location	Description	Asbestos Type/Percentage	Approximate Asbestos Quantities
B1A-B1C	Bathroom	Linoleum Top Layer	None Detected	-
B2A-B2C	Bathroom	Linoleum Bottom Layer	None Detected	-
B3A-B3C	Throughout	Ceiling Tile Smooth	None Detected	-
B4A-B4C	Throughout	Ceiling Tile Worm Hole	None Detected	-
B5A-B5C	Throughout	Ceiling Tile Hidden Spline	None Detected	-
B6A-B6C	Unit 2 Ceiling above Acoustic	Textured Ceiling Material	None Detected	-
B7A-B7C	Unit 2 Bath Floor Under Sub-floor	Vapor Barrier	None Detected	-
B8A-B8C	Unit 2 Ceiling	Ceiling Tile worm hole	None Detected	-
B9A-B9C	Unit 3 Kitchen Floor	Linoleum Top Layer	Chrysotile – 18.9%	40 sq.ft.
B10A-B10C	Unit 3 Bath	Linoleum	None Detected	
B11A-B11C	Entire Bldg Ceiling	Texture Material	None Detected	
B12A-B12C	Throughout	Plaster	None Detected	
B13A-B13C	Unit 3 Kitchen Floor	Floor Tile 12X12	None Detected	
B14A-B14C	Unit 3 Kitchen Floor Under Floor Tile	Linoleum	Chrysotile – 21.6%	100 sq.ft.
B15A-B15C	Unit 4 Bathroom Flr.	Linoleum	Chrysotile – 13.2%	24 sq.ft.
B16A-B16C	Unit 5 Bathroom Floor	Linoleum	Chrysotile – 24.8%	42 sq.ft.
B17A-B17C	Unit 5 Kitchen	Linoleum	None Detected	-



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B18A-B18C	Exterior	Roofing Top Layer	None Detected	-
B19A-B19C	Exterior	Roofing Bottom Layer	None Detected	-
B20A-B20C	Exterior	Roofing Vapor Barrier	None Detected	-
B21A-B21C	Exterior	Vapor Barrier Under Siding	None Detected	-

Materials not sampled and assumed **positive** for asbestos content are as follows:

- Exterior cement board siding 3,600 sq.ft.


Should inaccessible suspect materials be discovered they should be assumed positive for asbestos content or sampled by a Licensed Asbestos Inspector prior to proceeding with demolition activities.

#### 5. Universal Waste Inventory

- One 275 gallon oil tank full of unknown product.
- One Mercury Thermostat

We appreciate the opportunity to assist the City of Auburn with this project, should you have any questions or comments please contact us at (207) 740-6743.

Very Truly,

  
Peter G. Jabbusch  
Asbestos Inspector  
(AI-0078) Exp. 01/15/17

## **ANALYTICAL RESULTS**



## EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106  
Phone/Fax: (207) 517-6921 / (207) 517-6922  
<http://www.EMSL.com> / [portlandlab@emsl.com](mailto:portlandlab@emsl.com)

EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

**Attn:** Frank Perry  
Atlantic Environmental Contractors, Inc.  
81 East Avenue Rear  
Lewiston, ME 04240

**Phone:** (207) 783-1908  
**Fax:** (207) 376-3237  
**Collected:**  
**Received:** 10/17/2016  
**Analyzed:** 10/20/2016

**Proj:** 16 NEWBURY ST.

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B1A

**Lab Sample ID:** 621601595-0001

**Sample Description:** UNIT 1 BATHROOM FLOOR TOP LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	100%	None Detected	

**Client Sample ID:** B1B

**Lab Sample ID:** 621601595-0002

**Sample Description:** UNIT 1 BATHROOM FLOOR TOP LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	100%	None Detected	

**Client Sample ID:** B1C

**Lab Sample ID:** 621601595-0003

**Sample Description:** UNIT 1 BATHROOM FLOOR TOP LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Gray	0.0%	100%	None Detected	

**Client Sample ID:** B2A

**Lab Sample ID:** 621601595-0004

**Sample Description:** UNIT 1 BATHROOM FLOOR BOTTOM LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Tan	2.7%	97.3%	None Detected	

**Client Sample ID:** B2B

**Lab Sample ID:** 621601595-0005

**Sample Description:** UNIT 1 BATHROOM FLOOR BOTTOM LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Tan	<0.25%	100%	None Detected	

**Client Sample ID:** B2C

**Lab Sample ID:** 621601595-0006

**Sample Description:** UNIT 1 BATHROOM FLOOR BOTTOM LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Tan	1.1%	98.9%	None Detected	

**Client Sample ID:** B3A

**Lab Sample ID:** 621601595-0007

**Sample Description:** ENTIRE BLDG CEILING TILE SMOOTH - 2X4 SMOOTH CT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Brown	95%	5%	None Detected	



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EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B3B **Lab Sample ID:** 621601595-0008  
**Sample Description:** ENTIRE BLDG CEILING TILE SMOOTH - 2X4 SMOOTH CT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Brown	0%	100%	None Detected	

**Client Sample ID:** B3C **Lab Sample ID:** 621601595-0009  
**Sample Description:** ENTIRE BLDG CEILING TILE SMOOTH - 2X4 SMOOTH CT

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	Brown	95%	5%	None Detected	

**Client Sample ID:** B4A **Lab Sample ID:** 621601595-0010  
**Sample Description:** ENTIRE BLDG CEILING TILE WORMHOLE - 2X4 CT WORMHOLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Gray	80%	20%	None Detected	

**Client Sample ID:** B4B **Lab Sample ID:** 621601595-0011  
**Sample Description:** ENTIRE BLDG CEILING TILE WORMHOLE - 2X4 CT WORMHOLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Gray	80%	20%	None Detected	

**Client Sample ID:** B4C **Lab Sample ID:** 621601595-0012  
**Sample Description:** ENTIRE BLDG CEILING TILE WORMHOLE - 2X4 CT WORMHOLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	Gray	80%	20%	None Detected	

**Client Sample ID:** B5A **Lab Sample ID:** 621601595-0013  
**Sample Description:** ENTIRE BLDG CEILING TILE HIDDEN SPLINE - 1X1 CT HIDDEN SPLINE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Brown	98%	2%	None Detected	

**Client Sample ID:** B5B **Lab Sample ID:** 621601595-0014  
**Sample Description:** ENTIRE BLDG CEILING TILE HIDDEN SPLINE - 1X1 CT HIDDEN SPLINE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Brown	98%	2%	None Detected	

**Client Sample ID:** B5C **Lab Sample ID:** 621601595-0015  
**Sample Description:** ENTIRE BLDG CEILING TILE HIDDEN SPLINE - 1X1 CT HIDDEN SPLINE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	Brown	95%	5%	None Detected	





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EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B6A **Lab Sample ID:** 621601595-0016  
**Sample Description:** UNIT 2 TEXTURED CEILING ABOVE ACOUSTIC - TEXTURED CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	White	0%	100%	None Detected	

**Client Sample ID:** B6B **Lab Sample ID:** 621601595-0017  
**Sample Description:** UNIT 2 TEXTURED CEILING ABOVE ACOUSTIC - TEXTURED CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	White	0%	100%	None Detected	

**Client Sample ID:** B6C **Lab Sample ID:** 621601595-0018  
**Sample Description:** UNIT 2 TEXTURED CEILING ABOVE ACOUSTIC - TEXTURED CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	White	0%	100%	None Detected	

**Client Sample ID:** B7A **Lab Sample ID:** 621601595-0019  
**Sample Description:** UNIT 2 BATHROOM FLOOR UNDER SUBFLOOR - VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** B7B **Lab Sample ID:** 621601595-0020  
**Sample Description:** UNIT 2 BATHROOM FLOOR UNDER SUBFLOOR - VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** B7C **Lab Sample ID:** 621601595-0021  
**Sample Description:** UNIT 2 BATHROOM FLOOR UNDER SUBFLOOR - VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Brown/Black	0.0%	100%	None Detected	

**Client Sample ID:** B8A **Lab Sample ID:** 621601595-0022  
**Sample Description:** UNIT 2 CEILING TILE WORMHOLE - 2X4 CT WORMHOLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Gray	95%	5%	None Detected	

**Client Sample ID:** B8B **Lab Sample ID:** 621601595-0023  
**Sample Description:** UNIT 2 CEILING TILE WORMHOLE - 2X4 CT WORMHOLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Gray	95%	5%	None Detected	



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Customer ID: ATLN34  
Customer PO:  
Project ID:

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: B8C Lab Sample ID: 621601595-0024

Sample Description: UNIT 2 CEILING TILE WORMHOLE - 2X4 CT WORMHOLE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	Gray	85%	15%	None Detected	

Client Sample ID: B9A Lab Sample ID: 621601595-0025

Sample Description: UNIT 3 KITCHEN FLOOR TOP LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	81.1%	18.9% Chrysotile	

Client Sample ID: B9B Lab Sample ID: 621601595-0026

Sample Description: UNIT 3 KITCHEN FLOOR TOP LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	

Client Sample ID: B9C Lab Sample ID: 621601595-0027

Sample Description: UNIT 3 KITCHEN FLOOR TOP LAYER - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	

Client Sample ID: B10A Lab Sample ID: 621601595-0028

Sample Description: UNIT 3 BATHROOM - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	100%	None Detected	

Client Sample ID: B10B Lab Sample ID: 621601595-0029

Sample Description: UNIT 3 BATHROOM - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	100%	None Detected	

Client Sample ID: B10C Lab Sample ID: 621601595-0030

Sample Description: UNIT 3 BATHROOM - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Gray	0.0%	100%	None Detected	

Client Sample ID: B11A Lab Sample ID: 621601595-0031

Sample Description: ENTIRE BLDG CEILING TEXTURE THROUGHOUT - TEXTURED CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	White	0%	100%	None Detected	





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EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B11B **Lab Sample ID:** 621601595-0032  
**Sample Description:** ENTIRE BLDG CEILING TEXTURE THROUGHOUT - TEXTURED CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	White	0%	100%	None Detected	

**Client Sample ID:** B11C **Lab Sample ID:** 621601595-0033  
**Sample Description:** ENTIRE BLDG CEILING TEXTURE THROUGHOUT - TEXTURED CEILING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	White	0%	100%	None Detected	

**Client Sample ID:** B12A **Lab Sample ID:** 621601595-0034  
**Sample Description:** ENTIRE BLDG CEILING PLASTER THROUGHOUT - PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Gray	0%	100%	None Detected	

**Client Sample ID:** B12B **Lab Sample ID:** 621601595-0035  
**Sample Description:** ENTIRE BLDG CEILING PLASTER THROUGHOUT - PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/19/2016	Gray	0%	100%	None Detected	

**Client Sample ID:** B12C **Lab Sample ID:** 621601595-0036  
**Sample Description:** ENTIRE BLDG CEILING PLASTER THROUGHOUT - PLASTER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/20/2016	Gray	0%	100%	None Detected	

**Client Sample ID:** B13A **Lab Sample ID:** 621601595-0037  
**Sample Description:** UNIT 4 KITCHEN FLOOR FT - 12X12 FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	100%	None Detected	

**Client Sample ID:** B13B **Lab Sample ID:** 621601595-0038  
**Sample Description:** UNIT 4 KITCHEN FLOOR FT - 12X12 FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Gray	0.0%	100%	None Detected	

**Client Sample ID:** B13C **Lab Sample ID:** 621601595-0039  
**Sample Description:** UNIT 4 KITCHEN FLOOR FT - 12X12 FLOOR TILE

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Gray	0.0%	100%	None Detected	



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EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B14A **Lab Sample ID:** 621601595-0040  
**Sample Description:** UNIT 4 KITCHEN UNDER FT - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Tan	0.0%	78.4%	21.6% Chrysotile	

**Client Sample ID:** B14B **Lab Sample ID:** 621601595-0041  
**Sample Description:** UNIT 4 KITCHEN UNDER FT - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	

**Client Sample ID:** B14C **Lab Sample ID:** 621601595-0042  
**Sample Description:** UNIT 4 KITCHEN UNDER FT - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	

**Client Sample ID:** B15A **Lab Sample ID:** 621601595-0043  
**Sample Description:** UNIT 4 BATHROOM FLOOR LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	White	0.0%	86.8%	13.2% Chrysotile	

**Client Sample ID:** B15B **Lab Sample ID:** 621601595-0044  
**Sample Description:** UNIT 4 BATHROOM FLOOR LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	

**Client Sample ID:** B15C **Lab Sample ID:** 621601595-0045  
**Sample Description:** UNIT 4 BATHROOM FLOOR LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	

**Client Sample ID:** B16A **Lab Sample ID:** 621601595-0046  
**Sample Description:** UNIT 5 KITCHEN BATHROOM LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Tan	0.0%	75.2%	24.8% Chrysotile	

**Client Sample ID:** B16B **Lab Sample ID:** 621601595-0047  
**Sample Description:** UNIT 5 KITCHEN BATHROOM LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016				Positive Stop (Not Analyzed)	





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EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B16C **Lab Sample ID:** 621601595-0048  
**Sample Description:** UNIT 5 KITCHEN BATHROOM LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016					Positive Stop (Not Analyzed)

**Client Sample ID:** B17A **Lab Sample ID:** 621601595-0049  
**Sample Description:** UNIT 5 KITCHEN FLOOR LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Tan/White	0.0%	100%	None Detected	

**Client Sample ID:** B17B **Lab Sample ID:** 621601595-0050  
**Sample Description:** UNIT 5 KITCHEN FLOOR LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Tan/White	0.0%	100%	None Detected	

**Client Sample ID:** B17C **Lab Sample ID:** 621601595-0051  
**Sample Description:** UNIT 5 KITCHEN FLOOR LINO - LINOLEUM

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Tan/White	0.0%	100%	None Detected	

**Client Sample ID:** B18A **Lab Sample ID:** 621601595-0052  
**Sample Description:** ROOFING MATERIAL TOP LAYER - ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B18B **Lab Sample ID:** 621601595-0053  
**Sample Description:** ROOFING MATERIAL TOP LAYER - ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B18C **Lab Sample ID:** 621601595-0054  
**Sample Description:** ROOFING MATERIAL TOP LAYER - ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B19A **Lab Sample ID:** 621601595-0055  
**Sample Description:** ROOFING MATERIAL BOTTOM LAYER - ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	



## EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106  
Phone/Fax: (207) 517-6921 / (207) 517-6922  
<http://www.EMSL.com> / [portlandlab@emsl.com](mailto:portlandlab@emsl.com)

EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** B19B **Lab Sample ID:** 621601595-0056  
**Sample Description:** ROOFING MATERIAL BOTTOM LAYER - ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B19C **Lab Sample ID:** 621601595-0057  
**Sample Description:** ROOFING MATERIAL BOTTOM LAYER - ROOFING

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B20A **Lab Sample ID:** 621601595-0058  
**Sample Description:** ROOFING VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B20B **Lab Sample ID:** 621601595-0059  
**Sample Description:** ROOFING VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B20C **Lab Sample ID:** 621601595-0060  
**Sample Description:** ROOFING VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B21A **Lab Sample ID:** 621601595-0061  
**Sample Description:** EXTERIOR UNDER SIDING - VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B21B **Lab Sample ID:** 621601595-0062  
**Sample Description:** EXTERIOR UNDER SIDING - VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/19/2016	Black	0.0%	100%	None Detected	

**Client Sample ID:** B21C **Lab Sample ID:** 621601595-0063  
**Sample Description:** EXTERIOR UNDER SIDING - VAPOR BARRIER

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	10/20/2016	Black	0.0%	100%	None Detected	



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EMSL Order ID: 621601595  
Customer ID: ATLN34  
Customer PO:  
Project ID:

### Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

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#### Analyst(s):

Christina Walker PLM (7)  
PLM Grav. Reduction (10)  
Stephen Severn PLM (14)  
PLM Grav. Reduction (24)

#### Reviewed and approved by:

Christina Walker, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. South Portland, ME

Initial report from: 10/20/201608:01:56



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAININGAsbestos Bulk Building Material  
Chain of Custody

EMSL Order Number (Lab Use Only):

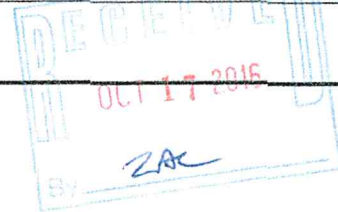
621601595

South Portland, ME 04106

PHONE: (207) 517-6921

FAX: (207) 517-6922

Company: Atlantic Environmental Contractors		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 81 East Ave. Rear		Third Party Billing requires written authorization from third party	
City: Lewiston	State/Province: ME	Zip/Postal Code: 04240	Country: US
Report To (Name): Frank Perry		Telephone #: 2077831908	
Email Address: fperry@aecne.net		Fax #: 2073763237	Purchase Order: AEC1736
Project Name/Number: 16 Newbury St.		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: ME		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input checked="" type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (friable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
		Other	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled:	
Samplers Name:		Samplers Signature:	
Sample #	HA #	Sample Location	Material Description
B1A-C		Unit 1 Bathroom Floor Top Layer	Linoleum
B2A-C		" " " Bottom Layer	Linoleum
B3A-C		Entire Bldg Ceiling Tile Smooth	2x4 Smooth CT
B4A-C		Entire Bldg Ceiling Tile Wormhole	2x4 CT Wormhole
B5A-C		Entire Bldg Ceiling Tile hidden Spline	1x1 CT Hidden Spline
B6A-C		Unit 2 Textured Ceiling above Access	Textured ceiling
B7A-C		Unit 2 Bathroom Floor under Subfloor	Vapor Barrier
B8A-C		Unit 2 Ceiling Tile Wormhole	2x4 CT Wormhole
B9A-C		Unit 3 Kitchen Floor Top Layer	Linoleum
B10A-C		Unit 3 Bathroom Floor	Linoleum
Client Sample # (s): B1A - B21C		Total # of Samples: 63	
Relinquished (Client): AEC		Date: 10/14/16	Time: 3:00 PM
Received (Lab): [Signature]		Date: 10/17/16	Time: 9:45 AM
Comments/Special Instructions:			







**EMSL ANALYTICAL, INC.**  
 10000 W. 16th Ave., Suite 100, Denver, CO 80202  
 303.755.7000 • FAX 303.755.7001  
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## Asbestos Bulk Building Material Chain of Custody

**EMSL Order Number** (Lab Use Only):

621601595

South Portland, ME 04106

PHONE: (207) 517-6921

FAX: (207) 517-6922

*Additional Pages of the Chain of Custody are only necessary if needed for additional sample information*

[illegible]